S
388.31
H3a
1965

STATE DOCUMENTS

AUTOMATIC COUNTERS 1965

MONTANA STATE LIBRARY
930 East Lyndale Avenue
Helena, Montana 59601

MONTANA

093

Montana State Library
3 0864 1006 4151 6

MONTANA

AUTOMATIC COUNTERS 1965

Prepared by the

MONTANA STATE HIGHWAY COMMISSION

PLANNING SURVEY SECTION

In cooperation with

U.S. DEPARTMENT OF COMMERCE

BUREAU OF PUBLIC ROADS

Digitized by the Internet Archive
in 2013

http://archive.org/details/montanaautomatic41mont

INTRODUCTION

This report contains a brief, concise summary of traffic patterns at each permanent traffic counter that was in operation during the year 1965. The traffic volumes for each month and day of the week are compared to average daily traffic for the year. A total of 35 automatic traffic counters were in operation during 1965 or will be returned to operation as soon as construction is complete at the location.

At each recorder the highest, the 10th, the 20th, the 30th, the 40th, and the 50th highest hours that occurred during each year are shown as a computed percentage figure of the average daily traffic. These are compared to the previous four years and 1941 as to stability and accuracy.

The 35 counters are distributed to the Highway System as follows:

9 on Interstate Rural	4 on Secondary System
15 on Primary Rural	2 on Arterial City Streets
2 on Primary Urban	3 on Interstate Frontage Roads

30th MAXIMUM HOUR

The American Association of Highway Officials decided it was not practical to design for the average daily traffic or the highest traffic that occurs during the year. If highways are designed for the average daily traffic, there would be times when the movement of vehicles would surge far above the average. If designed for the highest traffic volume, such conditions would occur only once or twice a year. Upon thorough investigation, it was agreed that the 30th highest hour would be a feasible traffic volume for design purposes. This particular hour is known as the Design Hour Volume, or the 30th maximum hour, and was to be used as the criterion for the design of the "National System of Interstate Highways". It is also now used in the design of Primary and Secondary Highways in Montana.

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-1 YEAR 1965

LOCATION I-90 and US 12 -- 11 miles east of Missoula

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 57.0 % Foreign Pass Cars 31.6 % Commercial 11.4 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	1562	1292	1238	1217	1245	1368	1451	1351	1276	105.88	54.14
February	1937	1313	1361	1416	1514	1793	1726	1580	1479	106.83	63.32
March	2097	1471	1433	1537	1575	1726	1739	1637	1539	106.37	65.60
April	2474	1949	1887	1847	1833	2246	2187	2059	1960	105.05	82.51
May	2960	2364	2086	2123	2186	2671	2809	2481	2289	108.39	99.43
June	4215	3489	3192	3263	3308	3874	4216	3623	3407	106.34	145.19
July	4347	4096	3862	3890	3934	4359	4473	4149	4039	102.72	166.27
August	4313	3779	3795	3876	3876	4359	4382	4045	3923	103.11	162.10
September	3387	2815	2572	2578	2645	3163	3246	2895	2742	105.58	116.02
October	2824	2039	2030	1999	2098	2570	2640	2349	2167	108.40	94.14
November	2645	1810	1778	2128	1917	2129	2249	2074	1938	107.02	83.11
December	1779	1584	1595	1652	1746	1906	1596	1701	1706	99.71	68.17
Daily average for year	2878	2333	2236	2294	2323	2680	2726	2495	2372	105.19	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-1

ROUTE I-90 & US 12 East of Missoula

TRAFFIC TYPE Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	1,251	290	23.2	216	17.3	196	15.7	195	15.6				
1961	2,238	390	17.4	290	12.9	283	12.6	279	12.5	267	11.9	264	11.7
1962	2,651	406	15.3	390	10.7	383	14.4	375	14.1	370	14.0	368	13.9
1963	2,514	398	15.8	340	13.5	331	13.2	324	12.9	321	12.8	317	12.6
1964	2,388	398	16.7	354	14.8	348	14.6	344	14.4	340	14.2	336	14.1
1965	2,495	376	15.1	358	14.3	349	14.0	344	13.8	339	13.6	336	13.5
1966													
1967													
1968													
1969													
1970													
Average	2,256	376	16.7	325	14.4	315	14.0	310	13.7				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-2-A

LOCATION US 12 and Mont. 287 -- 0.5 miles east of East Helena

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 71.4 % Foreign Pass Cars 18.8 % Commercial 9.8 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1562	1165	1096	1122	1124	1298	1392	1267	1167	108.57	59.84
February	1570	1169	1106	1131	1213	1599	1517	1329	1243	106.92	62.77
March	2126	1276	1174	1227	1374	1632	1725	1478	1322	111.80	69.81
April	2501	1639	1617	1552	1561	1933	2053	1830	1668	109.71	86.44
May	3500	2211	1717	1786	1821	2400	2764	2364	1998	118.32	111.66
June	4355	2579	2504	2528	2656	3146	3607	3018	2668	113.12	142.55
July	4651	3346	2877	2874	2906	3428	3909	3426	3094	110.73	161.82
August	4134	2662	2596	2794	2797	3232	3485	3103	2799	110.86	146.56
September	3200	2105	1782	1806	1942	2411	2700	2251	1997	112.72	106.32
October	3011	1694	1677	1675	1754	2204	2408	2107	1820	115.77	99.52
November	2418	1583	1478	1665	1654	1874	1996	1791	1640	109.21	84.60
December	1594	1352	1302	1304	1427	1631	1476	1442	1410	102.27	68.11
Daily average for year	2885	1898	1744	1789	1852	2232	2419	2117	1902	111.30	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-2-A

ROUTE US 12 & Montana 287 East of Helena

TRAFFIC TYPE Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	1,820	276	15.2	258	14.2	251	13.8	246	13.5	242	13.3	238	13.1
1962	1,958	363	18.5	334	17.1	320	16.3	310	15.8	303	15.5	298	15.2
1963	1,873	331	17.7	287	15.3	279	14.9	270	14.4	260	13.9	254	13.6
1964	2,032	403	19.8	359	17.7	341	16.8	330	16.2	326	16.0	323	15.9
1965	2,117	482	22.8	399	18.8	383	18.1	372	17.6	357	16.9	346	16.3
1966													
1967													
1968													
1969													
1970													
Average	1,960	371	18.9	327	16.7	315	16.1	306	15.6	298	15.2	292	14.9

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-3-A

LOCATION US 2 and 87 -- 1.3 miles west of Havre

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 79.7 %

Foreign Pass Cars 10.0 %

Commercial 10.3 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1437	1730	1708	1676	1818	1753	1687	1681	1738	96.72	65.02
February	2002	1714	1647	1849	1986	2320	2238	1965	1903	103.26	76.00
March	2175	2129	2023	2111	2144	2338	2290	2165	2141	101.12	83.74
April	2723	2505	2395	2322	2396	2625	2543	2502	2454	101.96	96.77
May	2853	2600	2595	2571	2506	2951	3016	2737	2642	103.60	105.86
June	3136	3155	3112	3097	3034	3157	3026	3103	3111	99.74	120.01
July	3496	3346	3367	3359	3351	3578	3504	3433	3406	100.79	132.78
August	3263	3196	3288	3682	3481	3788	3735	3466	3463	100.09	134.06
September	2752	2767	2657	2614	2718	3030	3084	2802	2760	101.52	108.37
October	2557	2467	2448	2524	2578	2955	2969	2660	2612	101.84	102.88
November	2031	2337	2294	2303	2049	2417	2383	2273	2298	98.91	87.91
December	1960	2299	2295	2233	2271	2387	2186	2239	2297	97.47	86.60
Daily average for year	2532	2520	2486	2535	2528	2780	2722	2586	2569	100.66	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-3-A

ROUTE US 2 East of Havre

TRAFFIC TYPE Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	863	167	19.4	134	15.5	124	14.3	118	13.7				
1961	2,248	340	15.1	255	11.3	238	10.6	230	10.2	227	10.1	224	10.0
1962	2,326	266	11.4	259	11.1	249	10.7	243	10.4	241	10.4	239	10.3
1963	2,408	410	17.0	268	11.1	254	10.5	248	10.3	244	10.1	240	10.0
1964	2,466	410	16.6	287	11.6	276	11.2	270	10.9	263	10.7	258	10.5
1965	2,586	363	14.0	293	11.3	281	10.9	275	10.6	272	10.5	269	10.4
1966													
1967													
1968													
1969													
1970													
Average	2,150	326	15.2	249	11.6	237	11.0	231	10.7				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-4

LOCATION US 10 and 12 -- 1.5 miles west of Miles City

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 71.2 % Foreign Pass Cars 14.8 % Commercial 14.0 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	703	840	899	836	818	848	816	819	848	96.58	72.03
February	813	739	834	808	833	1012	913	850	845	100.59	74.76
March	1019	934	949	945	942	1051	1000	974	961	101.35	85.66
April	1144	1050	1107	1054	1095	1336	1073	1129	1136	99.38	99.30
May	1339	1219	1150	1060	1103	1234	1335	1215	1156	105.10	106.87
June	1500	1409	1372	1388	1357	1459	1433	1414	1395	101.36	124.36
July	1463	1480	1507	1436	1397	1586	1499	1482	1482	100.00	130.34
August	1510	1461	1450	1443	1452	1530	1475	1474	1466	100.55	129.64
September	1160	1124	1167	1159	1137	1284	1252	1181	1172	100.77	103.87
October	1132	1077	1073	1092	1097	1246	1187	1135	1123	101.07	99.82
November	1011	1047	1058	1096	871	1096	1069	1037	1035	100.19	91.70
December	844	923	989	981	921	986	870	934	960	97.29	82.15
Daily average for year	1137	1109	1130	1108	1085	1222	1160	1137	1132	100.44	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-4-A

ROUTE U.S. 10 & 12 West of Miles City

TRAFFIC TYPE Primary Approach

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	1,520	232	15.3	207	13.6	191	12.6	187	12.3				
1961	1,771	328	18.5	215	12.1	201	11.3	193	10.9	190	10.7	187	10.6
1962	1,814	236	13.0	222	12.2	219	12.1	213	11.7	210	11.6	206	11.4
1963	1,320	194	14.7	159	12.0	148	11.2	143	10.8	140	10.6	139	10.5
1964	1,195	194	16.2	162	13.6	149	12.5	145	12.1	143	12.0	140	11.7
1965	1,137	248	21.8	142	12.5	131	11.5	125	11.0	123	10.8	120	10.6
1966													
1967													
1968													
1969													
1970													
Average	1,460	239	16.4	185	12.7	173	11.8	168	11.5				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-5

LOCATION Montana 7 -- 1.0 miles south of Wibaux

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 64.3 %

Foreign Pass Cars 8.9 %

Commercial 26.8 %

Manth	Average Daily Number af Vehicles									Percent the Average Day is af the Average Weekday	Percent the Manth Daily Average is af the Year Daily Average
	Day af Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	427	532	498	466	506	491	492	486	498	97.59	78.04
February	457	411	444	456	534	509	485	471	471	100.00	75.63
March	480	498	498	484	512	524	578	509	502	101.39	81.74
April	596	643	641	659	685	676	588	644	662	97.28	103.41
May	695	655	640	649	670	696	661	667	662	100.76	107.10
June	958	733	721	720	719	733	800	766	725	105.66	123.00
July	717	606	649	657	669	665	657	659	649	102.65	105.82
August	782	724	709	722	690	713	694	721	712	101.26	115.78
September	672	719	620	635	604	660	639	648	645	100.47	104.06
Octaber	662	671	629	679	665	673	718	672	664	101.20	107.91
November	600	621	649	662	590	647	626	628	634	99.05	100.84
December	527	603	618	624	578	632	626	602	611	98.53	96.67
Daily average far year	631	618	610	618	619	635	630	623	620	100.48	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-5

ROUTE Montana 7 South of Wibaux

TRAFFIC TYPE Primary-Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	219	50	22.8	37	16.9	34	15.5	33	15.1				
1961	541	102	18.8	74	13.7	68	12.6	65	12.0	63	11.6	62	11.5
1962	582	118	20.2	77	13.2	68	11.7	66	11.3	65	11.2	63	11.0
1963	595	182	30.5	95	16.0	81	13.6	75	12.6	72	12.1	69	11.6
1964	604	182	30.1	120	19.9	93	15.4	85	14.1	79	13.1	75	12.4
1965	623	247	39.6	98	15.7	84	13.5	79	12.7	75	12.0	73	11.7
1966													
1967													
1968													
1969													
1970													
Average	527	147	27.9	84	15.9	71	13.5	67	12.7				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-6 YEAR 1965

LOCATION FAS 288 -- 0.5 miles south of Manhattan

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 82.5 % Foreign Pass Cars _____ % Commercial 17.5 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	274	286	321	324	359	325	304	312	323	96.59	83.26
February	313	260	309	338	359	345	308	319	322	99.07	85.12
March	310	279	302	298	328	316	325	307	303	101.32	81.92
April	308	302	323	340	351	339	313	326	332	98.19	86.99
May	388	371	393	376	352	384	362	375	375	100.00	100.07
June	385	376	392	380	339	378	334	371	375	98.93	99.00
July	403	514	418	391	406	410	388	417	426	97.89	111.27
August	395	408	434	412	406	387	330	398	411	96.84	106.21
September	389	396	433	411	449	441	435	422	426	99.06	112.61
October	396	445	450	474	478	457	440	447	460	97.17	119.28
November	363	400	460	423	430	414	402	414	426	97.18	110.47
December	303	357	408	422	394	413	414	389	400	97.25	103.80
Daily average for year	352	366	387	382	388	384	363	375	382	98.17	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-6

ROUTE FAS 288 South of Manhattan

TRAFFIC TYPE Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	255	90	35.3	50	19.6	44	17.3	42	16.5				
1961	328	144	43.9	64	19.5	51	15.5	47	14.3	45	13.7	43	13.1
1962	351	131	37.3	61	17.4	55	15.7	52	14.8	50	14.2	49	14.0
1963	369	133	36.0	79	21.4	71	19.2	65	17.6	62	16.8	59	16.0
1964	351	83	23.6	74	21.1	68	19.4	64	18.2	61	17.4	60	17.1
1965	375	168	44.8	61	16.3	56	14.9	53	14.1	51	13.6	50	13.3
1966													
1967													
1968													
1969													
1970													
Average	338	125	37.0	65	19.2	58	17.2	54	16.0				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-7

LOCATION I-15 -- 2.0 miles north of Wolf Creek

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 70.5 % Foreign Pass Cars 16.2 % Commercial 13.3 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	975	855	848	791	843	853	899	870	839	103.69	73.25
February	1009	844	819	830	924	1056	984	924	894	103.35	77.79
March	1276	852	885	870	891	1061	1132	978	899	108.79	82.34
April	1460	1191	1169	1023	1087	1305	1235	1204	1152	104.51	101.37
May	1814	1339	1103	1137	1158	1460	1423	1366	1246	109.63	115.01
June	1864	1359	1301	1298	1318	1489	1549	1444	1348	107.12	121.57
July	1834	1575	1369	1322	1326	1518	1570	1499	1422	105.41	126.21
August	1797	1328	1316	1288	1298	1534	1496	1449	1362	106.39	122.00
September	1810	1085	1161	1098	1154	1371	1344	1271	1160	109.57	107.01
October	1567	1033	1080	1036	1132	1329	1294	1228	1132	108.48	103.39
November	1321	988	960	1040	935	1146	1071	1060	1010	104.95	89.24
December	1033	903	921	908	1003	1083	832	960	969	99.07	80.82
Daily average for year	1480	1113	1078	1053	1089	1267	1236	1188	1119	106.17	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-7

ROUTE I-15 North of Wolf Creek

TRAFFIC TYPE Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	534	129	24.2	108	20.2	97	18.2	93	17.4				
1961	1,096	176	16.1	157	14.3	148	13.5	143	13.0	139	12.7	136	12.4
1962						UNDER CONSTRUCTION							
1963	1,107	199	17.9	173	15.7	165	14.9	160	14.5	154	13.9	150	13.5
1964	1,121	203	18.1	184	16.4	174	15.5	168	15.0	166	14.8	165	14.7
1965	1,188	209	17.6	184	15.5	172	14.5	165	13.9	160	13.5	155	13.0
1966													
1967													
1968													
1969													
1970													
Average	1,009	183	18.1	161	16.0	151	15.0	146	14.5				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-8

LOCATION US 93 -- 0.5 miles south of Ravalli

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 72.8 % Foreign Pass Cars 15.3 % Commercial 11.9 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1226	1231	1241	1252	1376	1376	1342	1294	1299	99.62	60.24
February	1603	1270	1289	1346	1544	1713	1593	1479	1432	103.28	68.85
March	1846	1416	1376	1455	1638	1725	1678	1574	1508	104.38	73.28
April	2377	1716	1635	1659	1819	1992	1991	1885	1777	106.08	87.76
May	2744	1964	1802	1811	1952	2268	2478	2170	1959	110.77	101.02
June	3384	2524	2371	2374	2524	2731	2774	2649	2493	106.26	123.32
July	4099	3446	2976	2832	2872	3262	3584	3290	3077	106.92	153.17
August	3778	2992	2800	2937	3092	3480	3373	3206	3045	105.29	149.26
September	2514	2360	2113	2113	2171	2536	2589	2329	2248	103.60	108.43
October	2661	1894	1900	1941	2148	2332	2369	2204	2057	107.15	102.61
November	2155	1865	1862	1964	2034	2120	1967	1987	1959	101.43	92.50
December	1507	1700	1630	1740	1861	1780	1683	1709	1749	97.71	79.56
Daily average for year	2491	2032	1916	1952	2086	2276	2285	2148	2050	104.78	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-8

ROUTE US 93 South of Ravalli

TRAFFIC TYPE Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	848	378	44.6	200	23.6	167	19.7	153	18.0				
1961	1,811	527	29.1	305	16.8	281	15.5	271	15.0	262	14.5	250	13.8
1962	1,845	422	22.9	314	17.0	296	16.0	284	15.4	271	14.7	263	14.3
1963	1,906	581	30.5	333	17.5	293	15.4	282	14.8	269	14.1	262	13.7
1964	2,033	581	28.6	376	18.5	343	16.9	328	16.1	319	15.7	308	15.2
1965	2,148	442	20.6	359	16.7	343	16.0	331	15.4	316	14.7	310	14.4
1966													
1967													
1968													
1969													
1970													
Average	1,765	489	27.7	315	17.8	287	16.3	275	15.6				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-9

LOCATION I-15 -- 7.0 miles west of Great Falls

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 83.7 %

Foreign Pass Cars 5.7 %

Commercial 10.6 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	2350	2718	2639	2437	2536	2791	2822	2624	2642	99.32	65.12
February	2538	2519	2363	2565	2878	3283	2767	2702	2722	99.27	67.06
March	3167	2998	2871	2810	2904	3393	3269	3043	2982	102.05	75.52
April	3869	3962	3660	3560	3635	4072	3559	3766	3784	99.52	93.46
May	4581	4152	3793	3657	3825	4593	4439	4172	4011	104.01	103.54
June	5373	4906	4614	4437	4555	5100	4647	4782	4699	101.77	118.68
July	5528	5365	4956	4794	4912	5680	5540	5265	5155	102.13	130.67
August	5651	5096	4982	5096	5187	5664	5598	5303	5170	102.57	131.61
September	4235	4545	4429	4124	4174	5094	4838	4468	4444	100.54	110.89
October	4820	4356	4211	4051	4291	4943	4936	4553	4398	103.52	113.00
November	4365	4174	3885	4076	3808	4425	4311	4141	4070	101.74	102.77
December	3030	3597	3479	3446	3672	3911	3491	3533	3628	97.38	87.68
Daily average for year	4126	4032	3824	3754	3865	4412	4185	4029	3975	101.36	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-9

ROUTE I-15 & US 89 West of Great Falls

TRAFFIC TYPE Interstate-Primary

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	1,490	277	18.6	224	15.0	207	13.9	195	13.1				
1961	3,613	692	19.2	455	12.6	420	11.6	411	11.4	397	11.0	388	10.7
1962	4,092	800	19.6	490	12.0	474	11.6	454	11.1	442	11.1	436	10.7
1963	3,779	684	18.1	478	12.6	454	12.0	434	11.5	417	11.0	409	10.8
1964	3,526	684	19.4	532	15.1	478	13.6	456	12.9	448	12.7	434	12.3
1965	4,029	648	16.1	505	12.5	483	12.0	470	11.7	465	11.5	455	11.3
1966													
1967													
1968													
1969													
1970													
Average	3,422	631	18.4	447	13.1	419	12.2	403	11.8				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-10

LOCATION US 2 -- 2 miles east of Wolf Point

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 69.4 % Foreign Pass Cars 16.0 % Commercial 14.6 %

Manth	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	791	1088	1068	1060	1019	960	1092	1001	1029	97.28	62.86
February	903	988	1030	1101	1223	1270	1186	1100	1122	98.04	69.08
March	918	1168	1038	1148	1165	1169	1167	1111	1135	97.89	69.77
April	1020	1172	1125	1183	1189	1254	1211	1169	1188	98.40	73.42
May	1535	1585	1513	1407	1474	1579	1751	1562	1524	102.49	98.10
June	1965	2121	1992	2017	2035	2120	2186	2058	2052	100.29	129.24
July	2435	2201	2155	2135	2226	2356	2468	2289	2222	103.02	143.75
August	2118	2230	2228	2210	2311	2366	2386	2257	2266	99.60	141.74
September	1681	1856	1818	1868	1824	1998	2108	1877	1870	100.37	117.88
October	1473	1683	1610	1645	1710	1765	1717	1657	1687	98.22	104.06
Navember	1351	1580	1534	1705	1428	1692	1678	1562	1579	98.92	98.10
December	1174	1464	1473	1506	1553	1599	1417	1465	1523	96.19	92.00
Daily average far year	1447	1595	1549	1582	1596	1677	1697	1592	1600	99.50	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-10

ROUTE US 2 East of Wolf Point

TRAFFIC TYPE Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	503	176	35.0	102	20.3	72	14.3	64	12.7				
1961	1,347	218	16.2	195	14.5	164	12.2	150	11.1	143	10.6	138	10.2
1962	1,453	295	20.3	178	12.3	167	11.5	163	11.2	161	11.1	157	10.8
1963	1,532	319	20.8	201	13.1	180	11.7	176	11.5	170	11.1	164	10.7
1964	1,546	319	20.6	229	14.8	209	13.5	194	12.5	181	11.7	177	11.4
1965	1,592	350	22.0	209	13.1	196	12.3	190	11.9	186	11.7	182	11.4
1966													
1967													
1968													
1969													
1970													
Average	1,329	280	21.1	186	14.0	165	12.4	156	11.7				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-11

LOCATION I-90 -- 6.0 miles west of Billings

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 67.7 % Foreign Pass Cars 15.8 % Commercial 16.5 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	4692	4282	4079	4000	3774	4417	4498	4262	4103	103.88	81.55
February	4528	3843	3720	3796	4198	4925	4555	4223	4096	103.10	80.80
March	4869	3835	3848	3966	4159	4713	4897	4302	4100	104.93	82.31
April	5652	4812	4474	4409	4646	5275	5316	4949	4754	104.10	94.69
May	6435	4928	4390	4487	4500	5410	5757	5192	4761	109.05	99.34
June	7546	5907	5492	5361	5569	6305	6274	6042	5726	105.52	115.61
July	7591	6524	5898	5929	5967	6767	6660	6476	6231	103.93	123.91
August	7748	6309	5897	6298	6449	6830	6985	6666	6362	104.78	127.55
September	6052	5633	5006	5128	5074	5805	6160	5521	5308	104.01	105.64
October	5959	4909	4668	4774	4952	5605	5699	5275	5011	105.27	100.93
November	5551	5015	4692	4992	4723	5226	5468	5084	4929	103.14	97.28
December	4941	4718	4571	4634	4345	4602	5520	4724	4528	104.33	90.39
Daily average for year	5964	5060	4728	4815	4863	5490	5649	5226	4992	104.69	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-11

ROUTE I-90 West of Billings

TRAFFIC TYPE Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	2,913	564	19.4	423	14.5	388	13.3	370	12.7				
1961						UNDER CONSTRUCTION							
1962	4,289	541	12.6	500	11.7	475	11.1	465	10.8	446	10.4	440	10.3
1963	4,699	571	12.2	532	11.3	516	11.0	502	10.7	493	10.5	498	10.6
1964	4,914	581	11.8	556	11.3	531	10.8	523	10.6	518	10.5	510	10.4
1965	5,226	758	14.5	612	11.7	586	11.2	572	10.9	565	10.8	540	10.3
1966													
1967													
1968													
1969													
1970													
Average	4,408	603	13.7	525	11.9	499	11.3	486	11.0				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-12

LOCATION US 87 and Montana 20 -- 6.0 miles west of Lewistown

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 77.9 % Foreign Pass Cars 10.8 % Commercial 11.3 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	901	1082	1140	1224	1038	1056	1107	1073	1105	97.10	73.35
February	948	974	978	1249	1221	1389	1188	1135	1162	97.68	77.58
March	1099	1146	1142	1182	1174	1351	1277	1192	1193	99.92	81.48
April	1225	1257	1287	1308	1277	1438	1347	1309	1317	99.39	89.48
May	1560	1381	1271	1360	1237	1517	1547	1419	1354	104.80	97.00
June	1757	1686	1629	1650	1535	1758	1722	1673	1649	101.46	114.36
July	2093	1891	1808	1862	1853	2030	1957	1929	1893	101.90	131.86
August	2038	1776	1720	1853	1810	2080	1837	1885	1859	101.40	128.85
September	1584	1567	1531	1541	1459	1761	1754	1593	1565	101.79	108.89
October	1659	1502	1498	1671	1545	1697	1713	1620	1588	102.02	110.74
November	1482	1408	1352	1555	1400	1603	1574	1475	1456	101.30	100.83
December	1032	1252	1198	1366	1279	1399	1181	1252	1302	96.16	85.58
Daily average for year	1448	1410	1380	1485	1402	1590	1517	1463	1454	100.62	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-12

ROUTE US 87 & Montana 20
West of Lewistown
TRAFFIC TYPE Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	637	120	18.8	97	15.2	90	14.1	84	13.2				
1961	1,491	194	13.0	172	11.5	167	11.2	163	10.9	161	10.8	158	10.6
1962	1,778	235	13.2	218	12.3	210	11.8	205	11.5	202	11.5	198	11.1
1963	1,648	253	15.4	240	14.6	222	13.5	212	12.9	205	12.4	199	12.1
1964	1,466	240	16.4	225	15.3	213	14.5	207	14.1	200	13.6	196	13.4
1965	1,463	247	16.9	182	12.4	172	11.8	165	11.3	163	11.1	160	10.9
1966													
1967													
1968													
1969													
1970													
Average	1,414	215	15.2	189	13.4	179	12.7	173	12.2				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-13

LOCATION US 191 -- 7.0 miles north of Lewistown

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montano Poss Cors 84.8 % Foreign Pass Cors 4.0 % Commercial 11.2 %

Month	Average Doily Number of Vehicles									Percent the Average Day is of the Averoge Weekday	Percent the Manth Doily Averoge is of the Yeor Daily Average
	Day of Week							Average Day	Averoge Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sundoy thru Saturday	Mondoy thru Fridoy		
January	719	919	937	974	809	866	849	862	899	95.88	76.02
February	725	815	792	961	931	1147	1019	913	929	98.28	80.52
March	879	921	884	974	902	1097	1004	949	952	99.68	83.69
April	856	1034	1012	1076	1037	1133	938	1017	1061	95.85	89.69
Moy	1376	1191	1116	1149	1048	1279	1215	1203	1158	103.89	106.09
June	1451	1225	1216	1316	1199	1350	1259	1286	1261	101.98	113.41
July	1526	1294	1277	1337	1295	1491	1285	1358	1344	101.04	119.76
August	1350	1312	1298	1349	1249	1420	1216	1315	1324	99.32	115.97
September	1217	1073	1258	1193	1145	1320	1169	1195	1195	100.00	100.98
October	1434	1195	1173	1243	1172	1373	1313	1282	1238	103.55	113.06
November	1246	1175	1168	1398	1106	1313	1253	1236	1231	100.41	109.00
December	837	1055	1077	1194	1059	1074	942	1041	1094	95.16	91.81
Daily average far year	1135	1101	1102	1180	1079	1239	1122	1138	1141	99.74	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-13

ROUTE US 191 North of Lewistown

TRAFFIC TYPE Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	407	111	27.3	83	20.4	67	16.5	63	15.5				
1961	1,239	212	17.1	172	13.9	166	13.4	162	13.1	158	12.8	156	12.6
1962	1,419	225	15.9	196	13.8	189	13.3	186	13.1	184	13.0	179	12.6
1963	1,274	233	18.3	195	15.3	180	14.1	168	13.2	159	12.5	153	12.0
1964	1,150	233	20.3	201	17.5	185	16.1	172	15.0	163	14.2	159	13.8
1965	1,134	203	17.9	161	14.2	145	12.8	140	12.3	138	12.2	135	11.9
1966													
1967													
1968													
1969													
1970													
Average	1,104	203	18.4	168	15.2	155	14.0	149	13.5				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-14

LOCATION FAS 278 -- 4.0 miles southwest of Dillon

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 84.7 % Foreign Pass Cars 3.4 % Commercial 11.9 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	327	185	168	169	177	203	234	213	181	117.68	72.67
February	278	185	192	185	197	217	244	214	195	109.74	73.02
March	312	204	191	198	215	196	235	219	200	109.50	74.72
April	318	274	261	240	242	264	254	264	256	103.13	90.08
May	366	294	268	258	267	278	280	290	274	105.84	98.95
June	402	323	281	322	311	324	335	326	311	104.82	111.23
July	524	418	371	368	328	382	414	398	372	106.99	135.80
August	459	360	341	361	361	371	372	376	358	105.03	128.29
September	391	340	285	272	285	321	356	319	299	106.69	108.84
October	413	339	301	330	332	367	377	355	335	105.97	121.13
November	391	285	274	300	307	332	367	319	298	107.05	108.84
December	260	203	190	228	213	232	239	224	215	104.19	76.43
Daily average far year	370	284	260	269	270	291	309	293	275	106.55	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-14

ROUTE FAS 278 Southwest of Dillon

TRAFFIC TYPE Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	290	120	41.4	70	24.1	49	16.9	47	16.2				
1961	311	63	20.3	51	16.4	47	15.1	45	14.5	44	14.1	43	13.8
1962	303	279	92.1	142	46.9	53	17.5	48	15.8	47	15.5	45	14.8
1963	319	68	21.3	59	18.5	53	16.6	50	15.7	48	15.0	48	15.0
1964	314	70	22.3	61	19.4	57	18.2	54	17.2	52	16.6	51	16.2
1965	293	68	23.2	51	17.4	48	16.4	46	15.7	45	15.4	44	15.0
1966													
1967													
1968													
1969													
1970													
Average	305	111	36.4	72	23.6	51	16.7	48	15.7				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-15

LOCATION Montana 20 -- 4.0 miles northwest of Bonner

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 63.0 %

Foreign Pass Cars 9.3 %

Commercial 27.7 %

Manth	Average Daily Number af Vehicles									Percent the Average Day is af the Average Weekday	Percent the Manth Daily Average is af the Year Daily Average
	Day af Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	912	1052	1085	1084	1100	1178	1160	1079	1100	98.09	70.10
February	922	926	979	1007	1043	1190	1043	1015	1029	98.64	65.94
March	1152	1075	1027	1058	1166	1282	1082	1114	1113	100.09	72.37
April	1328	1078	922	1011	1064	1287	1061	1118	1090	102.57	72.63
May	2254	1533	1283	1330	1355	1668	1791	1627	1438	113.14	105.70
June	2840	1799	1684	1728	1788	2086	2209	1998	1807	110.57	129.80
July	3370	2403	2064	2099	2095	2575	2770	2482	2255	110.07	161.25
August	3159	2047	1941	1998	2026	2407	2606	2319	2076	111.71	150.66
September	2043	1651	1367	1409	1410	1774	1778	1618	1512	107.01	105.12
October	2049	1306	1276	1274	1352	1638	1733	1546	1382	111.87	100.44
Navember	1886	1283	1302	1491	1326	1546	1715	1493	1381	108.11	97.00
December	963	1070	1048	1082	1159	1150	913	1062	1105	96.11	68.99
Daily average far year	1907	1435	1332	1381	1407	1648	1655	1539	1441	106.80	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-15

ROUTE Mont. 20 Northeast of Bonner

TRAFFIC TYPE Primary-Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	292	160	54.7	119	40.7	111	38.0	102	34.9				
1961	1,231	311	25.3	213	17.3	201	16.3	188	17.3	184	14.9	179	14.5
1962	1,297	294	22.7	254	19.6	239	18.4	224	17.3	217	16.7	209	16.1
1963	1,263	277	21.9	251	19.6	241	19.1	230	18.2	223	17.7	220	17.4
1964	1,302	277	21.3	258	19.8	249	19.1	243	18.7	236	18.1	234	18.0
1965	1,539	326	21.2	289	18.8	273	17.7	261	17.0	253	16.4	245	15.9
1966													
1967													
1968													
1969													
1970													
Average	1,154	274	23.7	231	20.0	219	19.0	208	18.0				

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-16
LOCATION US10 and 91 -- 3.0 miles west of Butte

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 77.9 % Foreign Pass Cars 10.6 % Commercial 11.5 %

Manth	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	4408	3831	3980	3981	3591	4041	4225	4029	3992	100.93	70.94
February	4675	3848	4020	4101	4410	4791	4829	4381	4234	103.47	77.14
March	5646	4139	4166	4256	4486	4851	5291	4642	4354	106.61	81.73
April	5953	4906	4808	4683	4875	5269	5276	5107	4923	103.74	89.92
May	7090	5347	4998	5223	5130	5722	6229	5730	5287	108.38	100.89
June	8406	6830	6507	6516	6573	7107	7655	7046	6689	105.35	124.06
July	9097	7718	7397	7484	7430	8102	8329	7938	7639	103.91	139.77
August	8606	6990	7271	7514	7335	7898	8067	7645	7350	104.01	134.61
September	6972	5660	5417	5487	5582	6300	6657	5979	5675	105.36	105.27
October	6618	5157	5046	5025	5153	6024	6351	5693	5317	107.07	100.24
November	6027	5001	4743	5052	5012	5540	5926	5298	5052	104.87	93.28
December	4429	4713	4428	4576	4789	4860	4740	4666	4682	99.66	82.15
Daily average far year	6500	5345	5232	5325	5364	5875	6131	5680	5433	104.55	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-16

ROUTE I-90 & I-15 West of Butte

TRAFFIC TYPE Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	4,495	619	13.8	543	12.1	523	11.6	513	11.4	504	11.2	497	11.1
1962	4,906	680	13.9	612	12.5	587	12.0	580	11.8	574	11.7	564	11.5
1963	5,114	719	14.1	650	12.7	633	12.4	622	12.2	613	12.0	604	11.8
1964	5,252	822	15.7	671	12.8	657	12.5	648	12.3	637	12.1	632	12.0
1965	5,680	741	13.0	702	12.4	685	12.1	670	11.8	662	11.7	658	11.6
1966													
1967													
1968													
1969													
1970													
Average	5,089	716	14.1	636	12.5	617	12.1	607	11.9	598	11.8	591	11.6

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-17

LOCATION I-15 -- 0.5 miles north of Lima

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 48.7 % Foreign Pass Cars 31.7 % Commercial 19.6 %

Manth	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	422	447	455	474	403	495	539	475	456	104.17	70.59
February	503	464	452	466	468	539	502	485	478	101.46	72.08
March	593	481	490	508	505	512	571	520	498	104.42	77.27
April	634	564	591	610	609	681	667	624	614	101.63	92.73
May	724	638	628	645	613	732	743	677	650	104.15	100.61
June	1017	782	771	785	766	861	955	843	791	106.57	125.28
July	1011	929	864	865	847	990	1053	939	901	104.22	139.54
August	1010	855	829	836	832	920	982	895	853	104.92	133.00
September	864	764	696	713	721	807	829	767	736	103.91	113.98
October	764	619	625	606	597	764	735	681	648	105.09	101.20
November	713	554	605	684	595	640	638	629	612	102.78	93.47
December	523	515	499	565	585	560	513	540	548	98.54	80.25
Daily average far year	737	634	625	646	628	708	727	673	649	103.70	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-17

ROUTE I-15 North of Lima

TRAFFIC TYPE Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	593	86	14.5	75	12.6	72	12.1	68	11.5	67	11.3	66	11.1
1962	567	170	29.9	83	14.6	74	13.1	71	12.5	69	12.2	67	11.8
1963	626	102	16.3	90	14.4	82	13.1	79	12.6	78	12.5	77	12.3
1964	643	123	19.1	95	14.8	86	13.8	85	13.6	83	12.9	81	12.6
1965	673	128	19.0	96	14.3	89	13.2	85	12.6	82	12.2	80	11.9
1966													
1967													
1968													
1969													
1970													
Average	620	122	19.7	88	14.2	81	13.1	78	12.6	76	12.3	74	11.9

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-18

LOCATION US 20 and 191 - - 5.0 miles west of West Yellowstone

YEAR 1965

No manual counts taken

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montono Poss Cors_____% Foreign Pass Cars_____% Commerciol_____%

Month	Averoge Doily Number of Vehicles									Percent the Averoge Doy is of the Averoge Weekday	Percent the Month Daily Average is of the Yeor Doily Average
	Doy of Week							Average Doy	Averoge Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Soturdoy	Mondoy thru Friday		
Jonuory	258	239	253	255	245	244	261	251	247	101.62	21.51
Februory	334	238	238	274	274	287	299	278	262	106.11	23.82
Morch	440	260	290	287	239	271	316	298	271	109.96	25.53
April	448	314	324	354	343	351	420	366	341	107.33	31.36
Moy	1707	1201	842	843	913	976	1463	1173	977	120.06	100.51
June	2913	2293	1955	2016	1903	2343	2655	2239	2041	109.70	191.84
July	3862	3189	2917	3016	2870	2964	3588	3195	2984	107.07	273.76
August	3184	2652	2660	2902	2833	2891	3233	2901	2776	104.50	248.57
September	1838	1460	1190	1305	1326	1496	1761	1471	1352	108.80	126.04
October	998	789	784	798	792	849	909	853	805	105.96	73.09
November	617	529	523	603	538	550	558	557	546	102.01	47.73
December	437	408	433	449	430	412	387	423	427	99.06	36.24
Daily averoge for yeor	1420	1131	1034	1092	1059	1136	1321	1167	1086	107.46	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-18

ROUTE US 20 & 191 West of West Yellowstone

TRAFFIC TYPE Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961													
1962						UNDER CONSTRUCTION							
1963	999	291	29.1	261	26.1	251	25.1	238	23.8	230	23.0	225	22.5
1964	1,110	401	36.1	334	30.1	322	29.0	310	27.9	304	27.4	297	26.8
1965	1,167	371	31.8	318	27.2	298	25.5	278	23.8	271	23.2	266	22.8
1966													
1967													
1968													
1969													
1970													
Average	1,092	354	32.4	304	27.8	290	26.6	275	25.2	268	24.5	263	24.1

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-19

LOCATION US 191 -- 7.7 miles north of West Yellowstone

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 42.4 % Foreign Pass Cars 40.1 % Commercial 17.5 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January											
February											
March											
April											
May											
June											
July											
August											
September											
October											
Navember	346	353	381	544	306	375	332	370	383	96.61	
December	297	352	328	344	376	344	301	337	350	96.29	
Daily average for year											

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-19

ROUTE US 191 North of West Yellowstone

TRAFFIC TYPE Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	802	285	35.5	220	27.4	212	26.4	204	25.4	196	24.4	196	24.2
1962	1,041	325	31.2	295	28.3	280	26.9	273	26.2	269	26.2	265	25.5
1963	904	291	32.2	243	26.9	234	25.9	227	25.1	221	24.4	216	23.9
1964						UNDER CONSTRUCTION							
1965						UNDER CONSTRUCTION							
1966													
1967													
1968													
1969													
1970													
Average													

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-20

LOCATION US 89 -- 17.0 miles north of Gardiner

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 49.8 %

Foreign Pass Cars 41.5 %

Commercial 8.7 %

Manth	Average Daily Number af Vehicles									Percent the Average Day is af the Average Weekday	Percent the Manth Daily Average is af the Year Daily Average
	Day af Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	239	179	175	195	173	179	229	198	180	110.00	35.11
February	370	277	260	278	324	395	584	355	307	115.64	62.94
March	313	180	175	197	204	221	277	220	194	113.40	39.01
April	367	238	241	243	245	276	342	277	250	110.80	49.11
May	579	403	371	360	354	478	551	449	394	113.96	79.61
June	1087	894	863	883	813	879	936	906	867	104.50	160.64
July	1523	1404	1354	1418	1332	1336	1404	1392	1366	101.90	246.81
August	1476	1245	1250	1382	1344	1328	1354	1338	1304	102.61	237.23
September	757	649	539	655	582	674	772	658	620	106.13	116.67
October	537	370	374	375	395	447	533	440	395	111.39	78.01
Navember	316	279	268	279	244	345	345	295	282	104.61	52.31
December	210	217	238	232	239	266	277	240	239	100.42	42.55
Daily average far year	648	528	509	541	521	569	634	564	533	105.82	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-20

ROUTE US 89 North of Gardiner

TRAFFIC TYPE Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961						UNDER CONSTRUCTION							
1962						UNDER CONSTRUCTION							
1963	496	141	28.4	116	23.4	114	23.0	111	22.4	109	22.0	107	21.6
1964	509	165	32.4	132	25.9	125	24.6	121	23.8	119	23.4	117	23.0
1965	564	160	28.4	140	24.8	133	23.6	128	22.7	125	22.2	124	22.0
1966													
1967													
1968													
1969													
1970													
Average	523	155	29.6	129	24.7	124	23.7	120	22.9	118	22.6	116	22.2

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-21

LOCATION Montana Avenue in Helena

YEAR 1965

No manual count taken

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars_____% Foreign Pass Cars_____% Commercial_____%

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	7973	10178	10004	10250	10402	10970	10919	10085	10390	97.06	94.23
February	8112	10281	10577	10805	11230	12542	11487	10719	11087	96.68	100.16
March	8847	10638	10600	10832	11635	12790	12470	11075	11219	98.72	103.48
April	9828	10953	11201	11229	11408	12548	12477	11454	11564	99.05	107.02
May	9251	10508	10997	11310	11301	12900	12181	11124	11319	98.28	103.94
June	9259	11119	11129	11184	11142	12509	11708	11150	11393	97.87	104.18
July	8591	10444	11204	11299	11564	12708	11027	11053	11507	96.05	103.28
August	8793	10968	11069	10743	11099	12274	11352	10839	11211	96.68	101.28
September	8472	10167	10453	10397	10788	12166	11848	10595	10753	98.53	99.00
October	8605	10232	9747	10033	10345	12046	11902	10458	10555	99.08	97.72
November	7917	9631	9749	9914	8488	11448	10721	9637	9753	98.81	90.05
December	7719	10368	10337	10290	10893	11708	9808	10238	10751	95.23	95.66
Daily average for year	8614	10457	10589	10691	10858	12217	11492	10702	10959	97.65	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-21

ROUTE US 91 & 12 Bypass Montana Avenue, Helena

TRAFFIC TYPE Primary - Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	7,971	881	11.1	846	10.6	832	10.4	826	10.4	819	10.3	803	10.1
1962	8,263	979	11.8	899	10.9	867	10.5	861	10.4	848	10.3	841	10.2
1963	8,371	951	11.4	887	10.6	854	10.2	831	9.9	814	9.7	803	9.6
1964	9,664	1,145	11.5	1,060	11.0	1,022	10.6	1,010	10.5	995	10.3	986	10.2
1965	10,702	1,238	11.6	1,120	10.5	1,100	10.3	1,086	10.1	1,064	9.9	1,052	9.9
1966													
1967													
1968													
1969													
1970													
Average	8,994	1,039	11.6	962	10.7	935	10.4	923	10.3	908	10.1	898	10.0

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-22

LOCATION Grand Avenue in Billings

YEAR 1965

No manual counts taken

Montana Pass Cars_____%

FACTORS INFLUENCING THE TRAFFIC PATTERN

Foreign Pass Cars_____%

Commercial_____%

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January											
February											
March											
April											
May	13372	16409	16661	16574	16625	19369	19838	16796	17082	98.33	
June	12605	17035	17126	17056	17383	19096	18316	16955	17499	96.89	
July	11037	14784	16668	16305	16856	18603	16934	16037	16742	95.79	
August	10257	12690	12453	11547	11252	17778	16848	13059	13049	100.08	
September	11732	14451	16156	15597	15813	17994	18639	15765	15975	98.69	
October	10696	13989	13466	13772	14170	16906	17237	14380	14577	98.65	
November	11745	15543	15075	17546	12775	18421	18449	15447	15574	99.18	
December	13577	18072	17125	17521	16787	18470	18564	17201	17595	97.76	
Daily average for year											

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-22

ROUTE Grand Avenue, Billings

TRAFFIC TYPE Arterial City Street

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	12,955	1,750	13.5	1,591	12.3	1,541	11.9	1,506	11.6	1,490	11.5	1,470	11.3
1962	14,712	2,009	13.7	1,820	12.4	1,755	11.9	1,699	11.5	1,645	11.2	1,619	11.0
1963	14,779	2,189	14.8	1,759	11.9	1,707	11.6	1,642	11.1	1,610	11.0	1,596	10.8
1964						UNDER CONSTRUCTION							
1965						UNDER CONSTRUCTION							
1966													
1967													
1968													
1969													
1970													
Average													

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-23

LOCATION FAS 241 -- 2.5 miles north of Harlem

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 70.0 %

Foreign Pass Cars 5.4 %

Commercial 24.6 %

Manth	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	156	198	229	193	216	201	229	202	207	97.58	74.26
February	188	179	174	213	273	260	223	216	220	98.18	79.41
March	209	249	234	256	279	322	295	261	265	98.49	95.96
April	223	244	257	224	248	255	248	243	246	98.78	89.34
May	263	263	284	282	256	291	313	279	275	101.45	102.57
June	311	311	295	306	307	289	300	302	301	100.33	111.03
July	279	255	310	299	296	300	244	283	293	96.59	104.04
August	304	358	337	333	400	358	348	346	355	97.46	127.21
September	303	303	290	315	323	318	344	314	311	100.96	115.44
October	280	294	270	284	287	314	296	290	291	99.66	106.62
Navember	226	290	275	267	285	321	284	278	287	96.86	102.21
December	174	239	250	265	259	277	274	250	259	96.53	91.91
Daily average far year	243	265	267	270	286	292	283	272	276	98.55	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-23

ROUTE FAS 241 North of Harlem

TRAFFIC TYPE Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	205	40	19.5	33	16.1	31	15.1	30	14.6	28	13.7	28	13.7
1962						UNDER CONSTRUCTION							
1963	244	44	18.0	38	15.6	34	13.9	32	13.1	31	12.7	30	12.3
1964						UNDER CONSTRUCTION							
1965	272	57	21.0	46	16.9	43	15.8	40	14.7	38	14.0	37	13.6
1966													
1967													
1968													
1969													
1970													
Average	240	47	19.6	39	16.3	36	15.0	34	14.2	32	13.0	32	13.0

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-24

LOCATION US 2 -- 1.3 miles west of Kalispell

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 71.4 % Foreign Pass Cars 16.1 % Commercial 12.5 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	999	1121	1169	1128	1123	1164	1139	1118	1142	97.90	67.28
February	1155	1098	1105	1165	1184	1326	1304	1191	1176	101.28	71.67
March	1378	1249	1205	1225	1228	1401	1458	1299	1257	103.34	78.17
April	1526	1303	1279	1329	1338	1451	1417	1379	1345	102.53	82.98
May	1896	1563	1472	1522	1461	1660	1701	1621	1537	105.47	97.54
June	2112	1816	1829	1832	1777	1930	2016	1897	1836	103.32	114.15
July	2549	2312	2248	2225	2158	2400	2483	2340	2269	103.13	140.81
August	2494	2232	2150	2238	2179	2376	2392	2294	2231	102.82	138.04
September	2069	1843	1683	1675	1754	2000	2062	1859	1784	104.20	111.86
October	2028	1650	1610	1625	1627	1817	1964	1777	1673	106.22	106.93
November	2097	1640	1618	1648	1670	1855	2050	1786	1681	106.25	107.47
December	1280	1397	1360	1373	1395	1495	1337	1381	1406	98.22	83.10
Daily average for year	1799	1922	1561	1582	1575	1740	1777	1662	1611	103.17	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-24

ROUTE US 2 West of Kalispell

TRAFFIC TYPE Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	1,454	219	15.1	190	13.1	184	12.7	180	12.4	176	12.1	174	11.9
1962	1,516	228	19.0	191	12.6	185	12.2	182	12.0	181	12.0	179	11.8
1963	1,561	214	13.7	199	12.7	191	12.2	184	11.8	183	11.7	180	11.5
1964	1,508	230	15.3	206	13.7	201	13.3	195	12.9	191	12.7	188	12.5
1965	1,662	223	13.4	209	12.6	202	12.2	199	12.0	196	11.8	193	11.6
1966													
1967													
1968													
1969													
1970													
Average	1,540	223	14.5	199	12.9	193	12.5	188	12.2	185	12.0	183	11.9

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-25

LOCATION I-94 -- 6.8 miles east of Wibaux

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars 38.8 % Foreign Pass Cars 41.0 % Commercial 20.2 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	798	853	846	812	822	801	949	842	827	101.81	64.42
February	910	755	819	820	863	893	953	859	830	103.49	65.72
March	1035	863	841	907	928	1019	1105	949	906	104.75	72.61
April	1251	1100	1025	1072	1170	1185	1207	1147	1117	102.69	87.76
May	1435	1137	1107	1163	1240	1341	1398	1266	1195	105.94	96.86
June	1925	1676	1544	1551	1563	1645	1858	1671	1591	105.03	127.85
July	2021	1884	1833	1778	1925	1990	2033	1929	1889	102.12	147.59
August	2171	1848	1858	1901	1952	1980	2071	1968	1903	103.42	150.57
September	1567	1369	1316	1413	1406	1541	1635	1460	1409	103.62	111.71
October	1402	1182	1123	1214	1260	1407	1381	1293	1245	103.86	98.93
November	1290	1089	1134	1209	1189	1221	1277	1195	1163	102.75	91.43
December	1124	1089	1081	1102	1088	1135	1113	1105	1100	100.45	84.55
Daily average for year	1411	1237	1211	1245	1284	1347	1415	1307	1265	103.32	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-25

ROUTE I-94 East of Wilaux

TRAFFIC TYPE Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	1,031	233	22.6	173	16.8	148	14.4	141	13.7	131	12.7	127	12.3
1962						UNDER CONSTRUCTION							
1963	1,211	243	20.1	150	12.4	140	11.6	136	11.2	133	11.0	130	10.7
1964						UNDER CONSTRUCTION							
1965	1,307	232	17.8	168	12.9	160	12.2	156	11.9	154	11.8	150	11.5
1966													
1967													
1968													
1969													
1970													
Average	1,183	236	19.9	164	13.9	149	12.6	144	12.2	139	11.7	136	11.5

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-26
LOCATION US 2 -- 0.1 mile east of Bainville

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 54.4 %
Foreign Pass Cars 30.3 %
Commercial 15.3 %

Manth	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	443	582	611	545	587	505	597	549	563	97.51	70.13
February	499	499	578	561	599	603	555	556	568	97.89	71.02
March	559	595	622	616	671	632	718	629	625	100.64	80.35
April	661	741	701	705	730	758	772	725	728	99.59	92.61
May	867	776	680	699	746	763	886	781	735	106.26	99.77
June	1021	1038	980	954	954	924	1039	986	970	101.65	125.95
July	1334	1173	1115	1087	1151	1108	1153	1158	1127	102.75	147.92
August	1078	1107	1111	1108	1135	1086	1202	1116	1109	100.63	142.56
September	923	848	813	779	831	896	997	865	831	104.09	110.50
October	707	690	671	689	719	726	812	719	700	102.71	91.85
November	597	626	635	698	632	664	744	655	649	100.92	83.67
December	502	653	668	685	697	651	713	655	672	97.47	83.67
Daily average far year	766	777	765	761	788	776	849	783	773	101.29	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-26

ROUTE US 2 east of Bainville

TRAFFIC TYPE Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	729	170	23.3	106	14.5	96	13.2	93	12.8	90	12.3	88	12.1
1962	784	177	22.6	128	16.3	124	15.8	120	15.3	118	15.1	117	14.9
1963	753	187	24.8	109	14.5	101	13.4	96	12.9	95	12.6	93	12.4
1964	753	187	24.8	117	15.5	104	13.8	101	13.4	99	13.1	96	12.9
1965	783	143	18.3	122	15.6	113	14.4	108	13.8	104	13.3	101	12.9
1966													
1967													
1968													
1969													
1970													
Average	760	173	22.8	116	15.3	108	14.2	104	13.7	101	13.3	99	13.0

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-27

LOCATION US 191 -- 1.5 miles south of Fred Robinson Bridge

YEAR 1965

No Manual counts taken

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars_____% Foreign Pass Cars_____% Commercial_____%

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	155	161	157	164	154	163	153	158	160	98.75	64.73
February	155	150	158	141	159	199	150	159	161	98.76	65.14
March	193	160	149	154	176	223	159	171	170	100.59	70.06
April	216	209	187	187	208	242	182	206	208	99.04	84.40
May	322	246	190	208	222	284	244	248	231	107.36	101.60
June	383	311	261	289	276	356	319	311	296	105.07	127.42
July	373	349	295	277	290	354	309	321	315	101.90	131.51
August	379	316	292	283	269	388	320	322	309	104.21	131.92
September	293	281	255	216	246	366	273	273	269	101.49	111.85
October	369	264	262	241	248	330	308	293	272	107.72	120.04
November	308	251	223	297	222	272	263	261	252	103.57	106.93
December	197	207	213	190	219	234	173	206	213	96.71	84.40
Daily average far year	279	242	220	221	224	284	238	244	238	102.52	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-27

ROUTE US 191 Robinson Bridge

TRAFFIC TYPE Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	202	126	62.4	71	35.1	50	24.8	44	21.8	40	19.8	38	18.8
1962	219	57	26.0	46	21.0	41	18.7	39	17.8	38	17.4	36	16.4
1963	251	95	37.8	54	21.5	43	17.1	42	16.7	40	15.9	39	15.5
1964	263	135	51.3	87	33.8	76	28.9	71	27.0	61	23.2	58	22.1
1965	244	68	27.9	51	20.9	45	18.4	43	17.6	41	16.8	40	16.4
1966													
1967													
1968													
1969													
1970													
Average	236	96	40.7	62	26.3	51	21.6	48	20.3	44	18.6	42	17.8

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-28

LOCATION Interstate Frontage Road -- 7.0 miles west of Great Falls

YEAR 1965

No manual count taken

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montano Pass Cors_____%

Foreign Poss Cors_____%

Commercial_____%

Month	Averoge Daily Number of Vehicles									Percent the Averoge Day is of the Average Weekday	Percent the Manth Daily Average is of the Yeor Daily Averoge
	Day of Week							Averoge Day	Averoge Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sundoy thru Saturdoy	Mondoy thru Fridoy		
Januory	111	127	116	112	117	136	156	126	122	103.28	61.79
February	133	134	129	127	156	169	159	144	143	100.70	70.62
March	174	163	126	130	144	140	172	149	140	106.43	73.07
April	213	182	165	161	156	148	181	171	162	105.56	83.86
May	305	242	193	197	230	237	248	238	219	108.68	116.71
June	265	248	239	219	228	250	219	238	236	100.85	116.71
July	226	231	256	214	257	240	232	235	238	98.74	115.24
August	232	234	192	223	264	347	271	244	242	100.83	119.66
September	246	226	210	192	212	235	246	222	214	103.74	108.87
October	319	250	233	227	280	294	284	273	260	105.00	133.88
November	266	183	189	173	181	189	242	202	183	110.38	99.06
December	210	164	164	215	207	225	243	205	198	103.54	100.53
Doily averoge far yeor	225	199	184	183	203	218	221	204	196	104.08	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-28

ROUTE Vaughn Interstate Frontage

TRAFFIC TYPE Frontage Road

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961	255	112	43.9	71	27.8	63	24.7	59	23.1	56	22.0	52	20.4
1962	241	55	22.8	44	18.3	41	17.0	39	16.2	37	15.4	36	14.9
1963	183	52	35.0	38	20.8	34	18.6	33	18.0	32	17.5	31	16.9
1964	170	54	31.8	42	24.7	37	21.8	35	20.6	34	20.0	33	19.4
1965	204	61	29.9	41	20.1	36	17.6	34	16.7	33	16.2	32	15.7
1966													
1967													
1968													
1969													
1970													
Average	211	67	31.8	47	22.3	42	19.9	40	19.0	38	18.0	37	17.5

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-29

LOCATION Interstate Frontage Road -- 6.0 miles west of Billings

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 67.7 % Foreign Pass Cars 15.8 % Commercial 16.5 %

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	1200	992	954	957	927	916	1088	1011	947	106.76	87.67
February	1067	840	794	800	923	1077	1062	938	887	105.75	81.34
March	1140	922	855	879	976	1072	1121	984	934	105.35	85.33
April	1208	1031	972	943	959	1099	1149	1050	1003	104.69	91.05
May	1557	1225	1159	1176	1101	1357	1414	1295	1205	107.47	112.30
June	1646	1295	1202	1201	1197	1394	1440	1330	1253	106.15	115.34
July	1590	1199	1132	1088	1144	1315	1399	1269	1180	107.54	110.05
August	1390	1163	1099	1099	1151	1318	1321	1220	1163	104.90	105.80
September	1342	1244	1105	1102	1106	1307	1386	1219	1167	104.46	105.71
October	1371	1082	1058	1118	1162	1263	1321	1208	1143	105.69	104.75
November	1283	1140	1087	1194	1078	1238	1328	1187	1144	103.76	102.93
December	1085	1115	1036	1139	1107	1177	1217	1127	1118	100.81	97.73
Daily average far year	1323	1104	1038	1058	1069	1211	1271	1153	1095	105.30	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-29

ROUTE Billings Interstate Frontage

TRAFFIC TYPE Frontage Road

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961						UNDER CONSTRUCTION							
1962	1,269	194	15.3	183	14.4	171	13.5	162	12.8	158	12.5	154	12.1
1963	1,500	279	18.6	221	14.7	211	14.1	203	13.5	196	13.1	193	12.9
1964	1,423	279	19.6	221	15.5	212	14.9	208	14.6	202	14.2	197	13.8
1965	1,153	205	17.8	149	12.9	136	11.8	133	11.5	131	11.4	128	11.1
1966													
1967													
1968													
1969													
1970													
Average	1,336	239	17.9	194	14.5	183	13.7	177	13.2	172	12.9	168	12.6

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-30
LOCATION I-90 -- 0.9 miles west of Superior Interchange

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montano Pass Cors 35.9 %
Foreign Pass Cors 49.7 %
Commercial 14.4%

Month	Average Doily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Yeor Doily Average
	Day of Week							Average Doy	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sundoy thru Saturday	Mondoy thru Fridoy		
Januory	937	873	913	898	930	850	900	901	893	100.90	54.00
Februory	1222	1017	1012	1028	1090	1202	1141	1101	1070	102.90	65.99
March	1169	953	967	1017	1029	1158	1109	1050	1019	103.04	62.93
April	1338	1063	1069	1059	1104	1315	1253	1174	1130	103.89	70.36
Moy	1508	1375	1241	1267	1326	1616	1553	1419	1365	103.96	85.05
June	2500	2230	1973	2012	2128	2471	2924	2298	2147	107.03	137.73
July	2797	2645	2545	2487	2565	2943	3048	2731	2648	103.13	163.68
August	2914	2666	2649	2677	2752	3106	3216	2843	2760	103.01	170.39
September	2388	2180	1947	2017	2087	2526	2614	2238	2142	104.48	134.13
October	1895	1542	1532	1524	1579	1933	1871	1716	1637	104.83	102.85
November	1617	1287	1279	1483	1331	1475	1466	1411	1363	103.52	84.57
December	1097	1126	1111	1142	1161	1242	1068	1140	1160	98.28	68.32
Daily average far yeor	1782	1580	1520	1551	1590	1820	1850	1669	1611	103.60	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-30

ROUTE I-90 West of Superior

TRAFFIC TYPE Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961					UNDER CONSTRUCTION								
1962	1,487	362	24.3	320	21.5	307	20.6	302	30.3	297	20.0	292	19.6
1963	1,511	256	16.9	227	15.0	216	14.3	209	13.8	205	13.6	202	13.4
1964	1,643	315	19.2	244	14.9	236	14.5	231	14.1	223	13.6	220	13.4
1965	1,669	288	17.3	241	14.4	233	14.0	227	13.6	225	13.5	223	13.4
1966													
1967													
1968													
1969													
1970													
Average	1,578	305	19.3	258	16.3	248	15.7	242	15.3	238	15.1	234	14.8

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-31

LOCATION I-94 -- 7.9 miles west of Miles City

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montona Poss Cors 56.6 %

Foreign Poss Cors 26.5 %

Commercial 16.9 %

Month	Average Doily Number of Vehicles									Percent the Average Day is of the Averoge Weekday	Percent the Month Daily Average is of the Yeor Daily Averoge
	Day of Week							Average Doy	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sundoy thru Soturdoy	Mondoy thru Friday		
Jonuory	942	1045	1069	1012	1015	1050	1037	1023	1038	98.55	61.94
February	1040	991	1060	1040	1081	1312	1145	1096	1097	99.91	66.36
March	1329	1179	1224	1199	1233	1394	1297	1259	1240	101.53	76.23
April	1510	1441	1422	1407	1463	1604	1419	1471	1473	99.86	89.07
May	1650	1671	1510	1439	1521	1743	1732	1617	1581	102.28	97.91
June	2400	2237	2016	2044	2068	2315	2321	2189	2126	102.96	132.55
July	2356	2412	2356	2300	2339	2654	2472	2420	2420	100.00	146.54
August	2447	2378	2308	2296	2389	2471	2410	2385	2366	100.80	144.41
September	1799	1765	1723	1839	1763	2122	2018	1857	1838	101.03	112.45
October	1685	1499	1555	1645	1675	1906	1730	1680	1668	100.72	101.73
November	1579	1422	1399	1704	1283	1510	1444	1473	1459	100.96	89.19
December	1256	1398	1325	1324	1376	1471	1254	1348	1380	97.68	81.62
Daily average for year	1666	1620	1581	1604	1601	1796	1690	1652	1641	100.67	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-31

ROUTE I-94 West of Miles City

TRAFFIC TYPE Interstate-Foreign and Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961													
1962													
1963	1,655	213	12.9	198	12.0	186	11.4	187	11.3	184	11.1	183	11.0
1964	1,643	256	15.6	210	12.8	203	12.4	199	12.1	196	11.9	193	11.7
1965	1,652	261	15.8	210	12.7	202	12.2	197	11.9	193	11.7	190	11.5
1966													
1967													
1968													
1969													
1970													
Average	1,650	243	14.7	206	12.5	197	11.9	194	11.8	191	11.6	189	11.5

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-32 YEAR 1965

LOCATION On 25th Street North between 4th and 5th Avenue, Great Falls

No manual counts taken

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars_____% Foreign Pass Cars_____% Commercial_____%

Manth	Average Daily Number af Vehicles									Percent the Average Day is af the Average Weekday	Percent the Manth Daily Average is af the Year Daily Average
	Day af Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	3189	4713	4478	4698	4861	4932	5359	4594	4746	96.80	86.45
February	3305	4924	4635	4783	5165	5676	5492	4854	5037	96.37	91.35
March	3668	4778	4739	4860	4913	5355	5533	4831	4911	98.37	90.92
April	4027	5326	5334	5215	5516	5805	5954	5334	5460	97.69	100.38
May	4390	5214	5401	5432	5416	6088	6348	5455	5496	99.25	102.66
June	4293	5831	6046	5693	5855	6025	5844	5670	5888	96.30	106.70
July	4352	4845	5793	5723	6233	6585	6128	5728	5888	97.28	107.80
August	4757	5948	5911	5864	6000	6204	6126	5802	5980	97.02	109.19
September	3940	4830	5303	5358	5617	6010	6066	5316	5429	97.92	100.04
Octaber	4129	5220	5279	5419	5470	6021	6145	5388	5507	97.84	101.40
Navember	3810	5382	5182	5273	4561	5763	5906	5136	5237	98.07	96.65
December	4425	5682	5682	5631	5807	6308	5873	5657	5834	96.97	106.46
Daily average far year	4024	5224	5315	5329	5451	5898	5898	5314	5451	97.49	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-32

ROUTE 25th Street N. Great Falls

TRAFFIC TYPE City Arterial

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961													
1962													
1963	4,767	659	13.8	579	12.1	559	11.7	546	11.5	543	11.4	535	11.2
1964	4,883	717	14.7	621	12.7	572	11.7	563	11.5	559	11.4	552	11.3
1965	5,314	725	13.6	598	11.3	584	11.0	573	10.8	567	10.7	560	10.5
1966													
1967													
1968													
1969													
1970													
Average	4,988	700	14.0	599	12.0	572	11.5	561	11.2	556	11.1	549	11.0

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-33

LOCATION On 10th Avenue South between 9th & 10th St. Great Falls

YEAR 1965

No manual count taken

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars_____%

Foreign Pass Cars_____%

Commercial_____%

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	13719	20324	19611	19242	18353	20140	21321	18910	19572	96.62	81.88
February	13504	19759	18279	19343	21129	23302	21879	19599	20362	96.25	84.86
March	14170	17885	17028	17712	17904	20070	20477	17858	18044	98.97	77.32
April	19689	24555	24844	24673	24647	25698	26812	24440	24872	98.26	105.82
May	21060	24393	24193	24792	24758	27345	27957	24884	25063	99.29	107.74
June	19381	25744	25590	24720	24857	27193	25468	24737	25578	96.71	107.10
July	19121	23425	26167	26210	26472	28368	25669	25233	26246	96.14	109.25
August	20893	27075	26330	26018	26223	28554	27377	26003	26914	96.62	112.59
September	18836	22876	24894	24641	25891	27808	26990	24575	25179	97.60	106.40
October	19936	24839	24039	24357	25448	28317	27343	24926	25539	97.60	107.92
November	16731	23008	21942	23319	23132	25594	26005	22681	23158	97.94	98.20
December	17246	25151	25264	22856	24671	26683	21157	23308	24737	94.22	100.92
Daily average for year	17857	23253	23182	23157	23624	25756	24871	23096	23772	97.16	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-33

ROUTE 10th Avenue S. in Great Falls

TRAFFIC TYPE Primary - Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961													
1962													
1963													
1964													
1965	23,096	2,488	10.8	2,375	10.3	2,296	9.9	2,248	9.7	2,211	9.6	2,185	9.5
1966													
1967													
1968													
1969													
1970													
Average													

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-34

LOCATION US 12 -- 0.6 miles west of Ingomar

YEAR 1965

FACTORS INFLUENCING THE TRAFFIC PATTERN

Mantana Pass Cars 54.8 %

Foreign Pass Cars 29.0 %

Cammercial 16.2 %

Manth	Average Daily Number af Vehicles									Percent the Average Day is af the Average Weekday	Percent the Manth Daily Average is af the Year Daily Average
	Day af Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Manday thru Friday		
January	181	171	157	167	163	159	176	168	163	103.07	56.31
February	161	160	157	178	167	176	185	169	167	101.20	56.65
March	171	146	163	181	177	205	171	172	173	99.42	57.65
April	204	187	199	204	210	228	186	204	207	98.55	68.38
May	263	251	239	232	249	269	272	254	248	102.42	85.14
June	488	409	367	354	382	399	447	403	380	106.05	135.08
July	503	475	445	443	504	508	516	487	478	101.88	163.24
August	512	438	463	490	486	517	503	485	476	101.89	162.57
September	384	330	340	347	364	438	440	377	364	103.57	126.37
Octaber	327	331	316	323	336	357	357	336	334	100.60	112.63
Navember	305	286	277	313	291	289	312	295	290	101.72	98.88
December	195	228	212	237	251	265	204	230	240	95.83	77.10
Daily average far year	308	284	278	289	298	318	314	298	293	101.71	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-34

ROUTE US 12 West of Ingomar

TRAFFIC TYPE Primary

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961													
1962													
1963													
1964													
1965	299	63	21.1	53	17.7	50	16.7	48	16.1	47	15.7	45	15.1
1966													
1967													
1968													
1969													
1970													
Average													

AUTOMATIC RECORDER DATA BY MONTHS

STATION A-35

LOCATION I-90 Frontage road -- 11 miles east of Missoula

YEAR 1965

No manual count taken

FACTORS INFLUENCING THE TRAFFIC PATTERN

Montana Pass Cars_____%

Foreign Pass Cars_____%

Commercial_____%

Month	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Manth Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	131	123	127	123	124	142	126	129	129	100.00	77.67
February	149	114	119	130	131	133	119	128	125	102.40	77.07
March	173	128	130	139	122	136	145	138	131	105.34	83.09
April	165	148	127	141	134	135	158	143	137	104.38	86.10
May	176	156	148	129	139	157	177	156	146	106.85	93.93
June	197	192	174	177	188	188	193	186	183	101.64	111.99
July	213	186	208	202	182	201	203	199	195	102.05	119.82
August	198	189	182	205	202	198	221	198	194	102.06	119.22
September	205	160	180	163	168	189	209	181	171	105.85	108.98
October	191	165	173	166	170	189	197	180	173	104.05	108.38
November	193	171	194	186	181	192	202	188	185	101.62	113.20
December	153	174	160	172	165	171	172	167	168	99.40	100.55
Daily average for year	179	159	160	161	159	169	177	166	161	103.11	

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

STATION A-35

ROUTE Turah Interstate Frontage

TRAFFIC TYPE Frontage Road

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941													
1961													
1962													
1963													
1964													
1965	166	41	24.7	31	18.7	28	16.9	27	16.3	26	15.7	25	15.1
1966													
1967													
1968													
1969													
1970													
Average													